INTERNATIONAL STANDARD

ISO/IEC 9995-8

Second edition
2006-09-01

Information technology — Keyboard layouts for text and office systems —

Part 8: Allocation of letters to the keys of a numeric keypad

Technologies de l'information — Disposition des claviers conçus pour la bureautique —

Partie 8: Affectation de lettres aux touches d'un clavier numérique

Reference number
ISO/IEC 9995-8:2006(E)

© ISO/IEC 2006

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS

Not for Resale

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO/IEC 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

--`,,```,,,,````-`-`,,`,,`,`,,`---

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS

© ISO/IEC 2006 – All rights reserved

Not for Resale

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 9995-8 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 35, *User interfaces*.

This second edition cancels and replaces the first edition (ISO/IEC 9995-8:1994), which has been technically revised.

ISO/IEC 9995 consists of the following parts, under the general title *Information technology — Keyboard layouts for text and office systems*:

— *Part 1: General principles governing keyboard layouts*

— *Part 2: Alphanumeric section*

— *Part 3: Complementary layouts of the alphanumeric zone of the alphanumeric section*

— *Part 4: Numeric section*

— *Part 5: Editing section*

— *Part 6: Function section*

— *Part 7: Symbols used to represent functions*

— *Part 8: Allocation of letters to the keys of a numeric keypad*

© ISO/IEC 2006 – All rights reserved

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale

Information technology — Keyboard layouts for text and office systems —

Part 8:
Allocation of letters to the keys of a numeric keypad

1 Scope

Within the general scope described in ISO/IEC 9995-1, this part of ISO/IEC 9995 specifies the allocation of letters to the keys of the numeric zone ZN0 of a keyboard which has the ten digits zero to nine allocated in the "1-2-3" layout. The layout specified in this part of ISO/IEC 9995 is intended for applications of information technology equipment keyboards where letters instead of digits are used for the mnemonic retention of numeric information.

The use of letters on the numeric zone ZN0 for the mnemonic retention of numeric information is strongly deprecated on keyboards which also contain an alphanumeric section. The inclusion of two sets of alphabetical symbols used in different ways could confuse the user of the keyboard.

2 Conformance

A keyboard is in conformance with this part of ISO/IEC 9995 if it meets the requirements of Clauses 5 and 6.

3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 9995-1:2006, *Information technology — Keyboard layouts for text and office systems — Part 1: General principles governing keyboard layouts*

ISO/IEC 9995-4:2002, *Information technology — Keyboard layouts for text and office systems — Part 4: Numeric section*

4 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 9995-1 apply.

5 Arrangement and location

For this part of ISO/IEC 9995 to apply, a keyboard shall contain a numeric zone ZN0 with the keys arranged and located as specified in Clause 6 of ISO/IEC 9995-4:2002. The ten digits zero to nine shall be allocated to the keys in the "1-2-3" layout as specified in ISO/IEC 9995-4:2002, 8.1.

© ISO/IEC 2006 – All rights reserved

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale

6 Allocation of the letters to the keys

Table 1 — Allocation of letters to the keys and association of the letters to the digits

Key	Letters	Office and telematic function
A52		Digit zero
D51		Digit one
D52	ABC	Digit two
D53	DEF	Digit three
C51	GHI	Digit four
C52	JKL	Digit five
C53	MNO	Digit six
B51	PQRS	Digit seven
B52	TUV	Digit eight
B53	WXYZ	Digit nine

NOTE Even if this part of ISO/IEC 9995 was primarily designed for mnemonic usage only, it is recommended that if it is used for data entry, accent data on the letters be added when applicable. One method consists in adding these accents automatically or semi-automatically using either dictionary or directory aid with confirmation from the user when context can not be determined without doubt. Other methods are also possible. This issue is outside of the scope of this part of ISO/IEC 9995.

© ISO/IEC 2006 – All rights reserved
Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale

Bibliography

[1] ISO 9564-1:2002, *Banking — Personal Identification Number (PIN) management and security — Part 1: Basic principles and requirements for online PIN handling in ATM and POS systems*

[2] ITU-T Recommendation E.161, *Arrangement of digits, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network*

[3] IEC 60948, *Numeric keyboard for home electronic systems (HES)*

--`,,```,,,,````-`-`,,`,,`,`,,`---

© ISO/IEC 2006 – All rights reserved

Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale

ICS 35.180

Price based on 3 pages

© ISO/IEC 2006 – All rights reserved
Copyright International Organization for Standardization
Provided by IHS under license with ISO
No reproduction or networking permitted without license from IHS
Not for Resale